

In the Specification:

Please amend the paragraph beginning on page 1, line 27 as follows:

-- Conventionally, when the disk-shaped media 10 are attached to the hub 12, the disk-shaped media 10 are biased from the right so as to shift the centers of the disk-shaped media 10 leftward with respect to the center of the hub 12. On the other hand, when the hub 12 is attached to the hub adaptor 14, the hub is biased from the left so as to shift the center of the hub 12 rightward with respect to the center of the hub adaptor 14. With this ~~metod,~~ ~~said method the clearances are disappeared,~~ disappear and the centers of the disk-shaped media 10 can ~~be coincided~~ coincide with the center of the rotational axis of the motor 16.--

Please amend the paragraph beginning on page 2, line 8 as follows:

--In the conventional method, the centers of the disk-shaped media 10 are shifted in one direction with respect to the center of the hub 12; the center of the hub 12 is shifted in the opposite direction with respect to the center of the hub adaptor 14. With their eccentricity, the centers of the disk-shaped media 10 can be coincided with the rotational axis of the motor 16. However, if manufacturing accuracy of the disk-shaped media 10 is much lower than that of other members, the clearances cannot be absorbed. Namely, the centers of the disk-shaped media 10 cannot ~~be coincided~~ coincide with the rotational axis of the motor

16. Therefore, in the conventional method shown in Figs. 5A and 5B, manufacturing accuracy of the disk-shaped media 10 and other members must be high.--

Please amend the paragraph beginning on page 2, line 22 as follows:

-- However, in servo track writers of some magnetic disk drive units, the centers of the disk-shaped media ~~are merely coincided~~ coincide with the center of the hub. Then, the centers of the disk-shaped media are correctly positioned when they are assembled in the disk drive unit.--

Please amend the paragraph beginning on page 6, line 9 as follows:

-- A hub adaptor 14 has been previously eccentrically fixed to a motor 16. The hub 12, to which the disk-shaped media ~~12~~10 have been eccentrically attached by the fixing member 18, covers the hub adaptor 14. When the hub 12 is fixed to the hub adaptor 14, the hub 12 is eccentrically attached with respect to the hub adaptor 14.--

Please amend the paragraph beginning on page 7, line 2 as follows:

-- An example of an arrangement of the disk-shaped medium 10, the hub 12 and the hub adaptor 14 is shown in Fig. 2. The hub adaptor 14 is eccentrically arranged "A" in

μm in a direction “P” with respect to the rotational axis of the motor 16. An inner diameter of a center hole of the hub 12 is “2B” μm greater than an outer diameter of the hub adaptor 14, and the hub 12 is eccentrically arranged “B” μm in a direction “Q” with respect to the hub adaptor 14. Further, an inner diameter of the center hole of the disk-shaped medium 10 is “2C” μm greater than an outer diameter of the hub 12, and the disk-shaped medium 10 is eccentrically arranged “C” μm in a direction “R” with respect to the hub 12. The hub 12 is biased toward the direction “Q” with respect to the hub adaptor 14, and the disk-shaped medium 10 is biased toward the direction “R” with respect to the hub 12. Therefore, the amount of eccentricity of the hub 12 is aone half of the difference between the inner diameter of the hub 12 and the outer diameter of the hub adaptor 14; the amount of eccentricity of the disk-shaped medium 10 is aone half of the difference between the inner diameter of the disk-shaped medium 10 and the outer diameter of the hub 12.--

Please amend the paragraph beginning on page 7, line 20 as follows:

-- If ~~the~~ diameter differences exist among the members as shown in Fig. 2, the center of the disk-shaped medium 10 can ~~be coincided~~ coincide with the rotational axis of the motor 16 by adjusting the directions of eccentricity of the disk-shaped medium 10, the hub 12 and the hub adaptor 14. This method will be explained with reference to Fig. 3.--

Please amend the paragraph beginning on page 7, line 25 as follows:

--In Fig. 3, a standard line ~~"L"~~ "L1" connects the center "P1" of the disk-shaped medium 10 to the center "P2" of the hub 12. A line "L2" connecting the center "P1" of the disk-shaped medium 10 to the center "P3" of the hub adaptor 14 is inclined angle ~~"â"~~ "α" with respect to the standard line "L1", and the amount of eccentricity of the center "P3" of the hub adaptor 14 with respect to the center "P1" of the disk-shaped medium 10 is "A" ~~in~~ μm. Further, a line "L3" connecting the center "P2" of the hub 12 to the center "P3" of the hub adaptor 14 is inclined angle ~~"â"~~ "β" with respect to the standard line "L1", and the amount of eccentricity of the center "P3" of the hub adaptor 14 with respect to the center "P2" of the hub 12 is "B" ~~in~~ μm.--

Please amend the paragraph beginning on page 8, line 7 as follows:

-- Namely, the amount of eccentricity "A" ~~in~~ μm between the motor 16 and the hub adaptor 14, the amount of eccentricity "B" ~~in~~ μm between the hub adaptor 14 and the hub 12 and the amount of eccentricity "C" ~~in~~ μm between the hub 12 and the disk-shaped medium 10 are previously given, so the angles ~~"â"~~ "α" and ~~"â"~~ "β" should be adjusted so as to make the sum of eccentric vectors zero. With this adjustment, the center "P1" of the disk-shaped medium 10 can be coincided with the rotational axis "P4" of the motor 16 as shown in Fig. 3.--

Please amend the paragraph beginning on page 8, line 15 as follows:

--The angles $\hat{\alpha}$ and $\hat{\beta}$ are indicated as following formulas:

$$\hat{\alpha} = \cos^{-1}((A^2 - B^2 + C^2)/2AC)$$

$$\hat{\beta} = \cos^{-1}((-A^2 + B^2 + C^2)/2BC)--$$

Please amend the paragraph beginning on page 8, line 28 as follows:

--Fig. 4A shows a state in which the hub 12, to which the disk-shaped media 10 have been eccentrically attached, covers the hub adaptor 14. All of the disk-shaped media 10 have been biased in one direction with respect to the hub 12. The biased disk-shaped media 10 are held by the hub 12. The hub 12 is set to the hub adaptor 14. The disk-shaped media 10 are eccentrically arranged with the eccentric angle (the direction of eccentricity) of 180° with respect to the rotational axis of the motor 16. Note that, the hub adaptor 14 has been previously biased rightward and fixed to a rotary shaft 17 of the motor 16. The amount of eccentricity of the hub adaptor 14 with respect to the rotational axis of the rotary shaft of the motor 16 is "A" μm .--

Please amend the paragraph beginning on page 9, line 10 as follows:

--Fig. 4B shows a state in which the rotary shaft 17 of the motor 16 is rotated at an angle " α " in the clockwise direction. Note that, the hub 12 mounted on the hub adaptor 14 is not rotated. Since the hub adaptor 14 is fixed to the rotary shaft 17 of the motor 16, the hub adaptor 14 is rotated together with the rotary shaft 17 of the motor 16. Therefore, the center of the hub adaptor 14 is angularly moved " α " with respect to the rotational axis of the motor 16. In the above described example, the hub adaptor 14 is mounted on the hub 12, and the rotary shaft 17 of the motor 16 is rotated in the angle " α ". In another case, the rotary shaft 17 of the motor 16 may be rotated as shown in Fig. 4B after the hub adaptor 14 is set on the rotary shaft 17, then the hub 12 holding the disk-shaped media 10 may be set as shown in Fig. 4B.--

Please amend the paragraph beginning on page 9, line 23 as follows:

--Fig. 4C shows a state in which the rotary shaft 17 of the motor 16 is rotated at an angle " β " in the clockwise direction without changing relative positional relationship among the hub 12, the disk-shaped media 10 and the hub adaptor 14. With this step, the hub adaptor 14, the hub 12 and the disk-shaped media 10 are integrally rotated in the angle " β " with respect to the rotational axis of the rotary shaft 17 of the motor 16.--

Please amend the paragraph beginning on page 10, line 6 as follows:

--In the method shown in Figs. 4A-4D, the centers of the disk-shaped media 10 can be ~~coincided~~ coincide with the rotational axis of the rotary shaft 17 of the motor 16 when the directions of eccentricity of the hub adaptor 14, the hub 12 and the disk-shaped media 10 on the basis of the given amounts of eccentricity "A", "B" and "C". This method can be wide-used. Even if inner diameters of the hub adaptor 14, the hub 12 and/or the disk-shaped media 10 are changed, the centers of the disk-shaped media 10 can be ~~securely coincided~~ coincide with the rotational axis of the rotary shaft 17 of the motor 16. To correctly set the hub adaptor 14, the hub 12 and the disk-shaped media 10, the rotary shaft 17 of the motor 16 must be rotated in prescribed angles, but the rotation can be optionally controlled by a motor driver 19. By employing the motor driver 19, the disk-shaped media 10 can be precisely and efficiently set.--

Please amend the paragraph beginning on page 11, line 6 as follows:

--In the above described embodiment, the center of the disk-shaped medium or media 10 are ~~coincided~~ coincides with the rotational axis of the rotary shaft 17 of the motor 16. However, the present invention is not limited to the embodiment. For example, in the case of positioning the center of the disk-shaped medium or media 10 in a prescribed zone which is radially extended from the rotational axis of the motor 16, the disk-shaped medium or media

10 can be correctly positioned therein by defining the angles \hat{a} α and \hat{a} β (see Fig. 3)

and executing the steps shown in Figs. 4A-4D.--